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(54) CDNA DERIVED FROM  
DENGUE VIRUS 3 TYPE

(57) Abstract:

PURPOSE: To produce a cDNA derived from dengue virus 3 type, by screening a specific transformant to form a transformant containing a dengue virus 3 type cDNA and cultivating the resultant cDNA.

CONSTITUTION: Cultivated cells, e.g. cell strain derived from Aedes albopictus Skuse, etc., are infected

with dengue virus 3 type and cultivated to multiply the virus, which is then purified RNA is extracted from the purified virus with phenol to give an RNA derived from the virus. The resultant RNA is reacted with dATP, etc., in the presence of a reverse transcriptase to synthesize the corresponding cDNA. RNA is used as a template to prepare a cDNA labeled with a radioisotope and transformants are screened with the obtained cDNA as a probe to afford a dengue virus 3 type cDNA-containing transformant, which is then cultivated to multiply the cDNA. Thereby extraction with phenol, etc., is carried out to provide the aimed cDNA.

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